FIG. 1

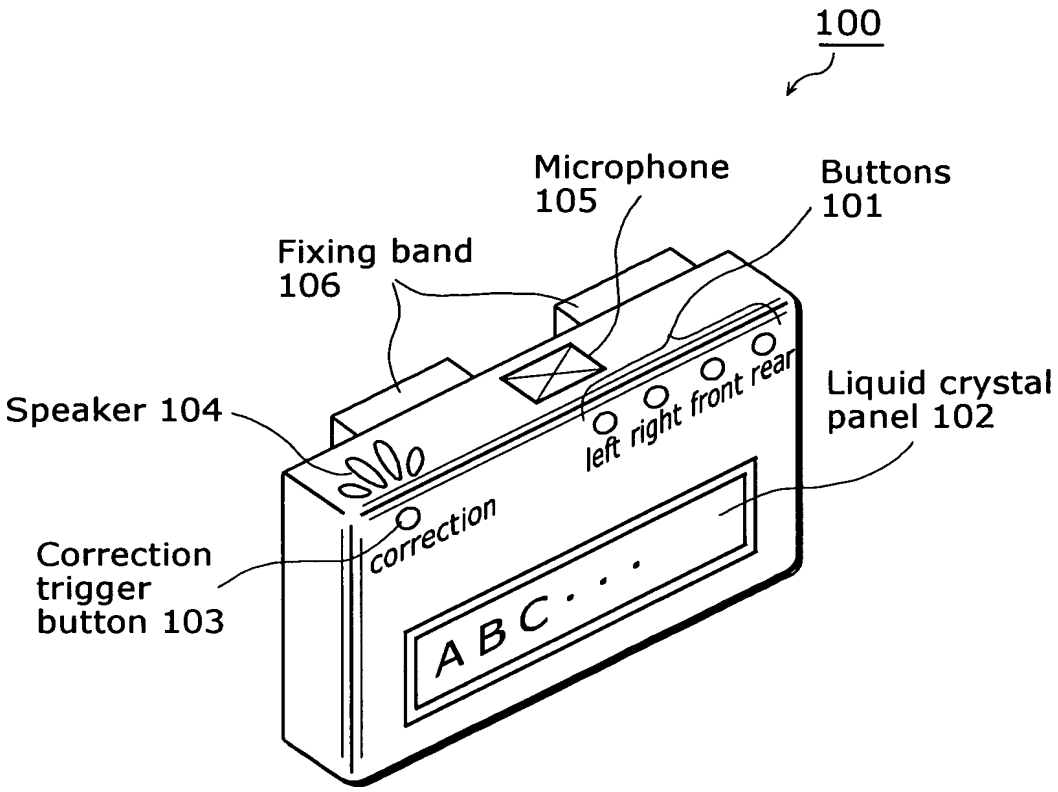

100
Microphone
105
Buttons
101
Fixing band
106
Speaker 104
left right front rear
Liquid crystal
panel 102
correction
Correction
trigger
button 103
A B C . . .

FIG. 2

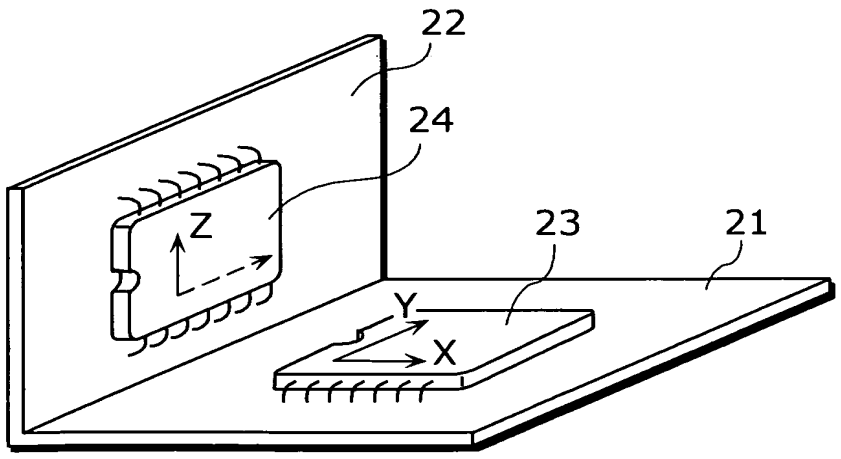

22
24
Z
23
21
Y
X

FIG. 3

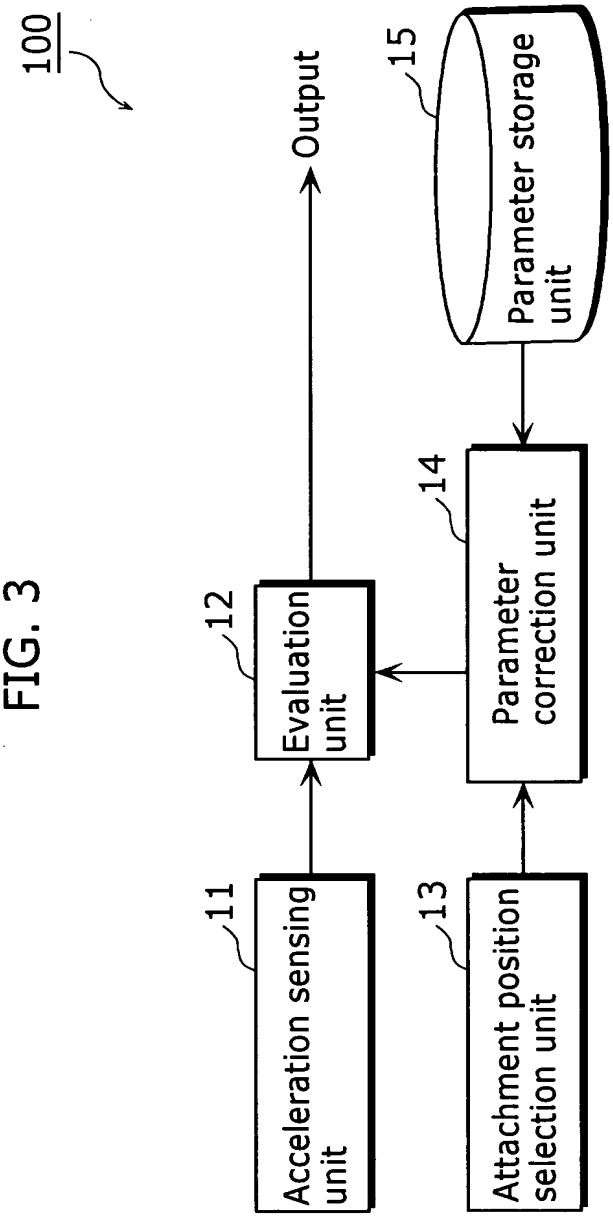

100
Output
15
Parameter storage unit
14
Parameter correction unit
12
Evaluation unit
11
Acceleration sensing unit
13
Attachment position selection unit

FIG. 4

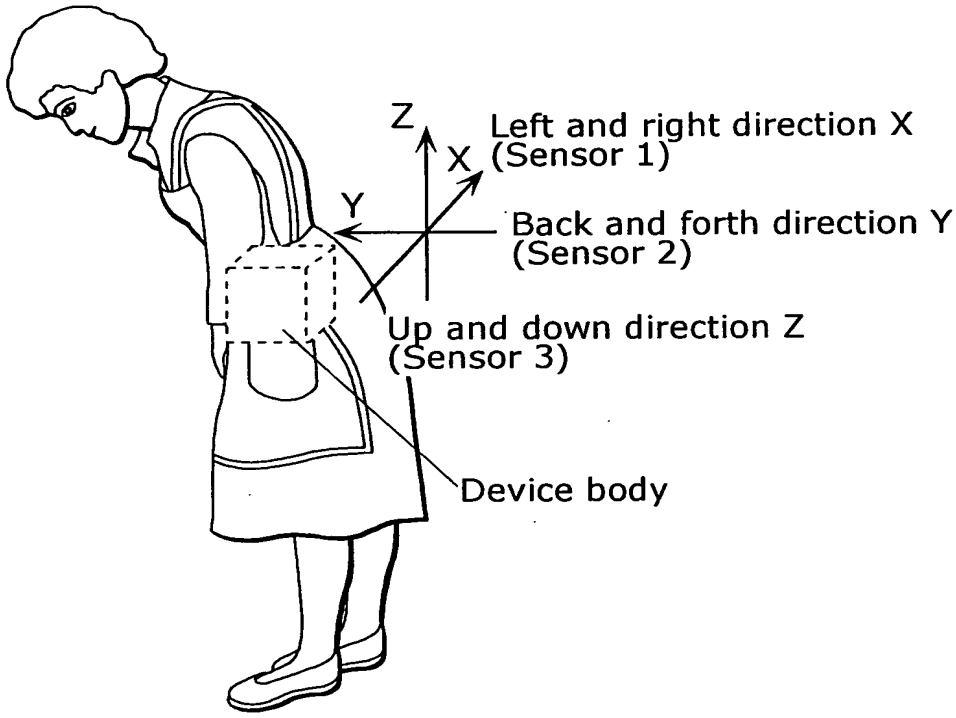

Z
X
Y
Left and right direction X
(Sensor 1)
Back and forth direction Y
(Sensor 2)
Up and down direction Z
(Sensor 3)
Device body

FIG. 5A

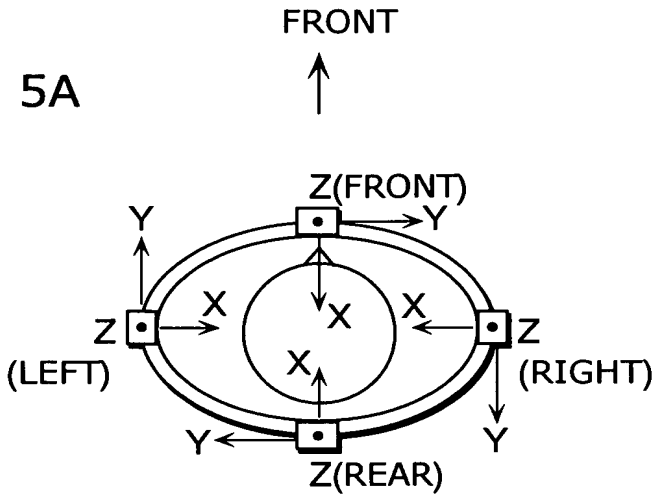


FIG. 5B

	Reference position "Left waist"	Position 1 "Right waist"	Position 2 "Back"	Position 3 "Stomach"	. . .
Sensor 1	Left and right direction:X	Left and right direction:X	Back and forth direction:X	Back and forth direction:X	. . .
	Right: Positive	Right: Negative	Front: Positive	Front: Negative	. . .
Sensor 2	Back and forth direction:Y	Back and forth direction:Y	Left and right direction:Y	Left and right direction:Y	. . .
	Front: Positive	Front: Negative	Right: Negative	Right: Positive	. . .
Sensor 3	Up and down direction:Z	Same as on left	Same as on left	Same as on left	. . .
	Up:Positive	Same as on left	Same as on left	Same as on left	. . .

FIG. 6

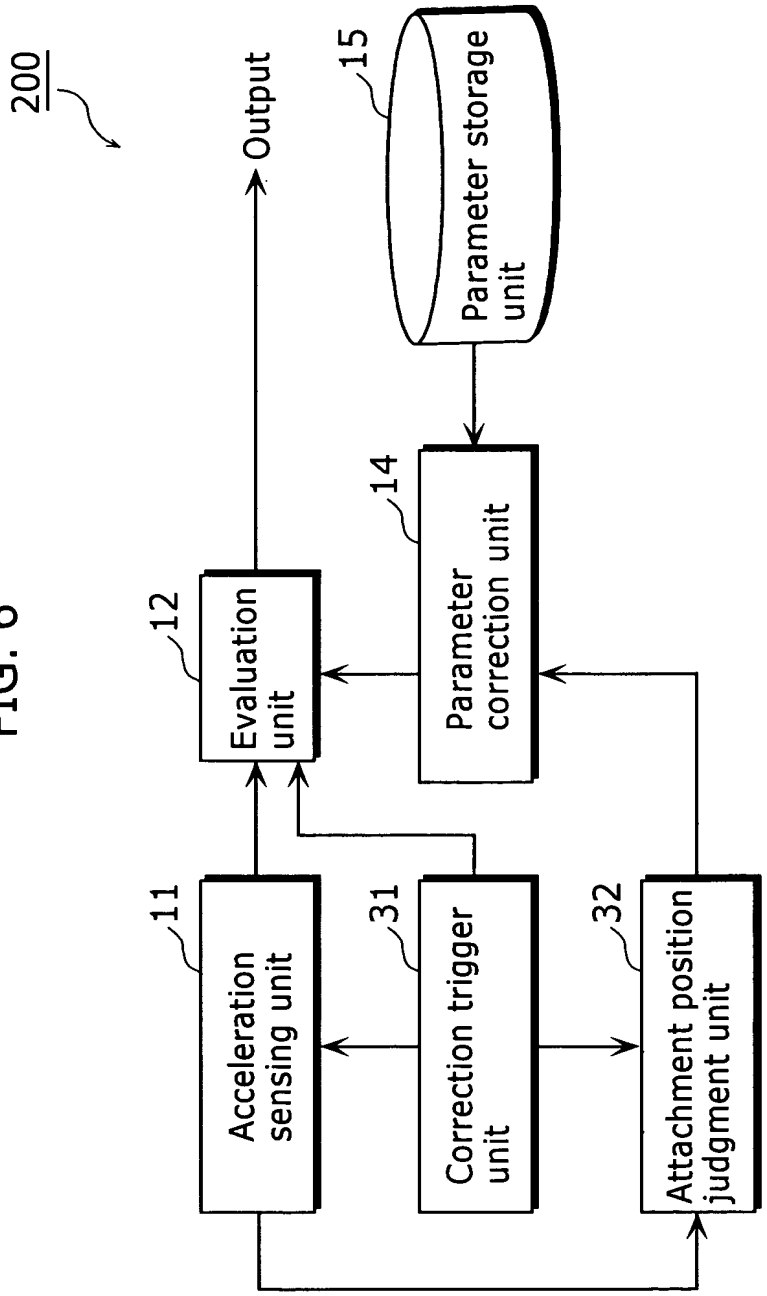

200
Output
15
Parameter storage unit
14
Parameter correction unit
12
Evaluation unit
11
Acceleration sensing unit
31
Correction trigger unit
32
Attachment position judgment unit

FIG. 7

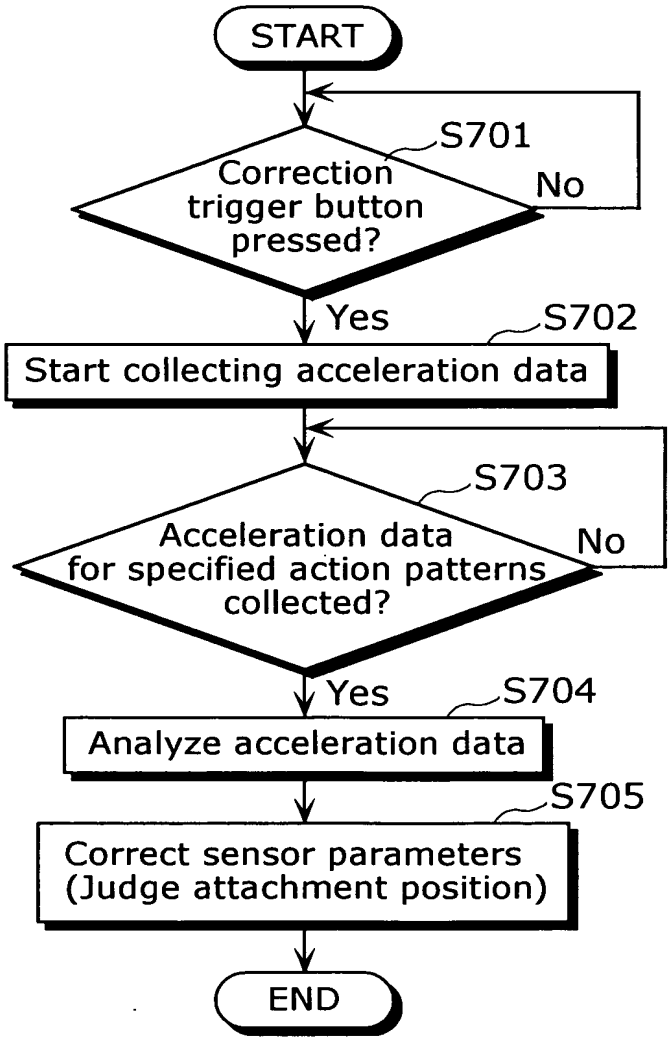

START
S701
Correction trigger button pressed?
No
Yes
S702
Start collecting acceleration data
S703
Acceleration data for specified action patterns collected?
No
Yes
S704
Analyze acceleration data
S705
Correct sensor parameters (Judge attachment position)
END

FIG. 8

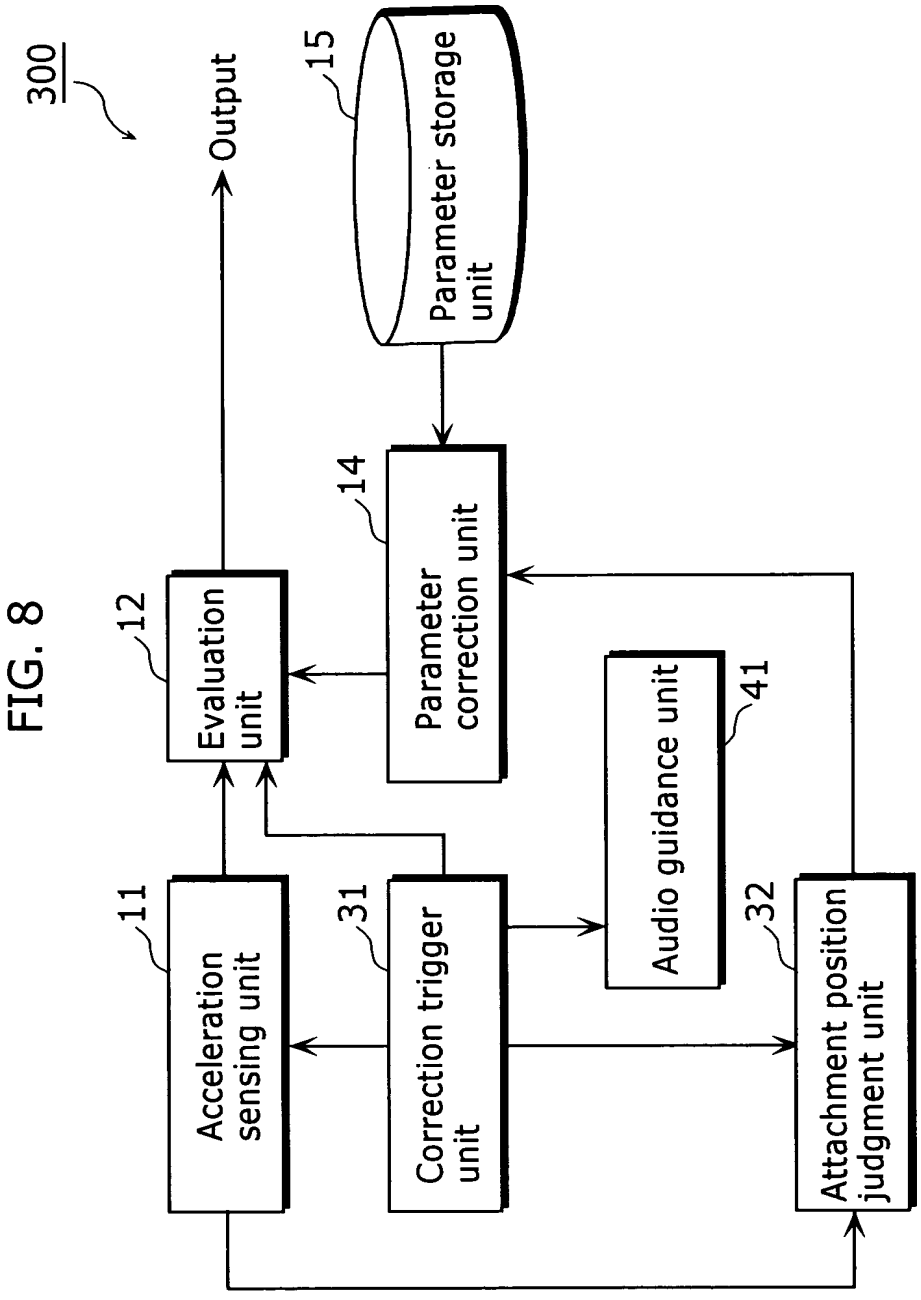

300
Output
15
Parameter storage unit
14
Parameter correction unit
12
Evaluation unit
41
Audio guidance unit
11
Acceleration sensing unit
31
Correction trigger unit
32
Attachment position judgment unit

FIG. 9

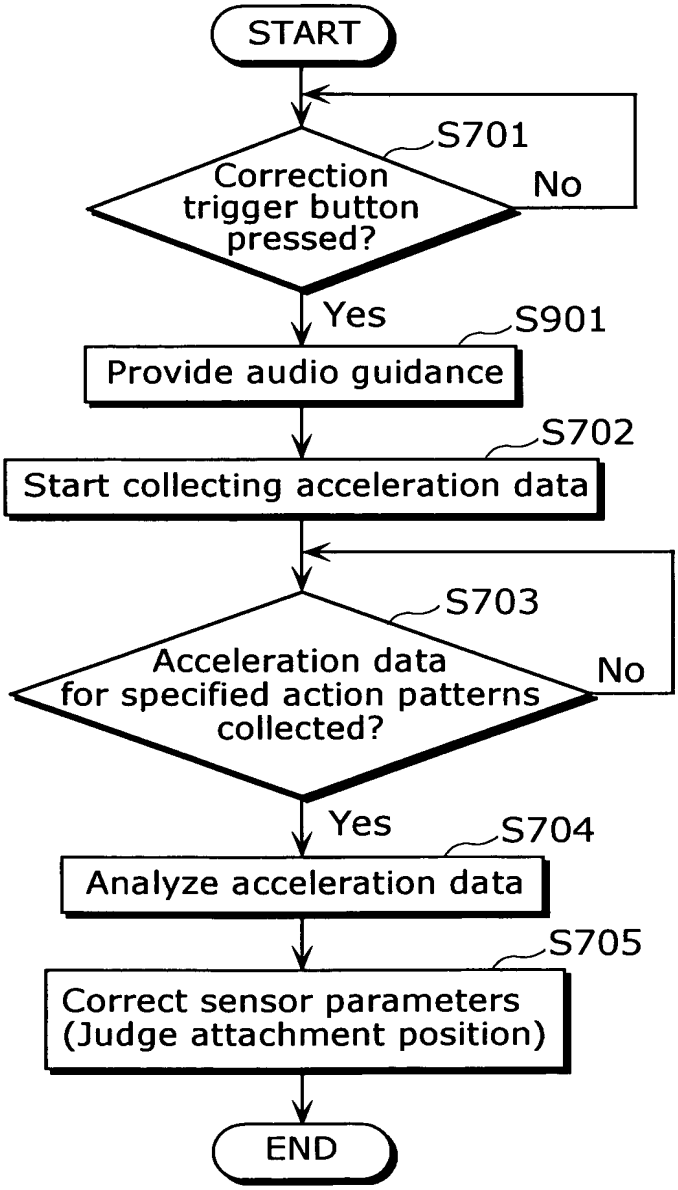

START
S701
Correction trigger button pressed?
No
Yes
S901
Provide audio guidance
S702
Start collecting acceleration data
S703
Acceleration data for specified action patterns collected?
No
Yes
S704
Analyze acceleration data
S705
Correct sensor parameters (Judge attachment position)
END

FIG. 10

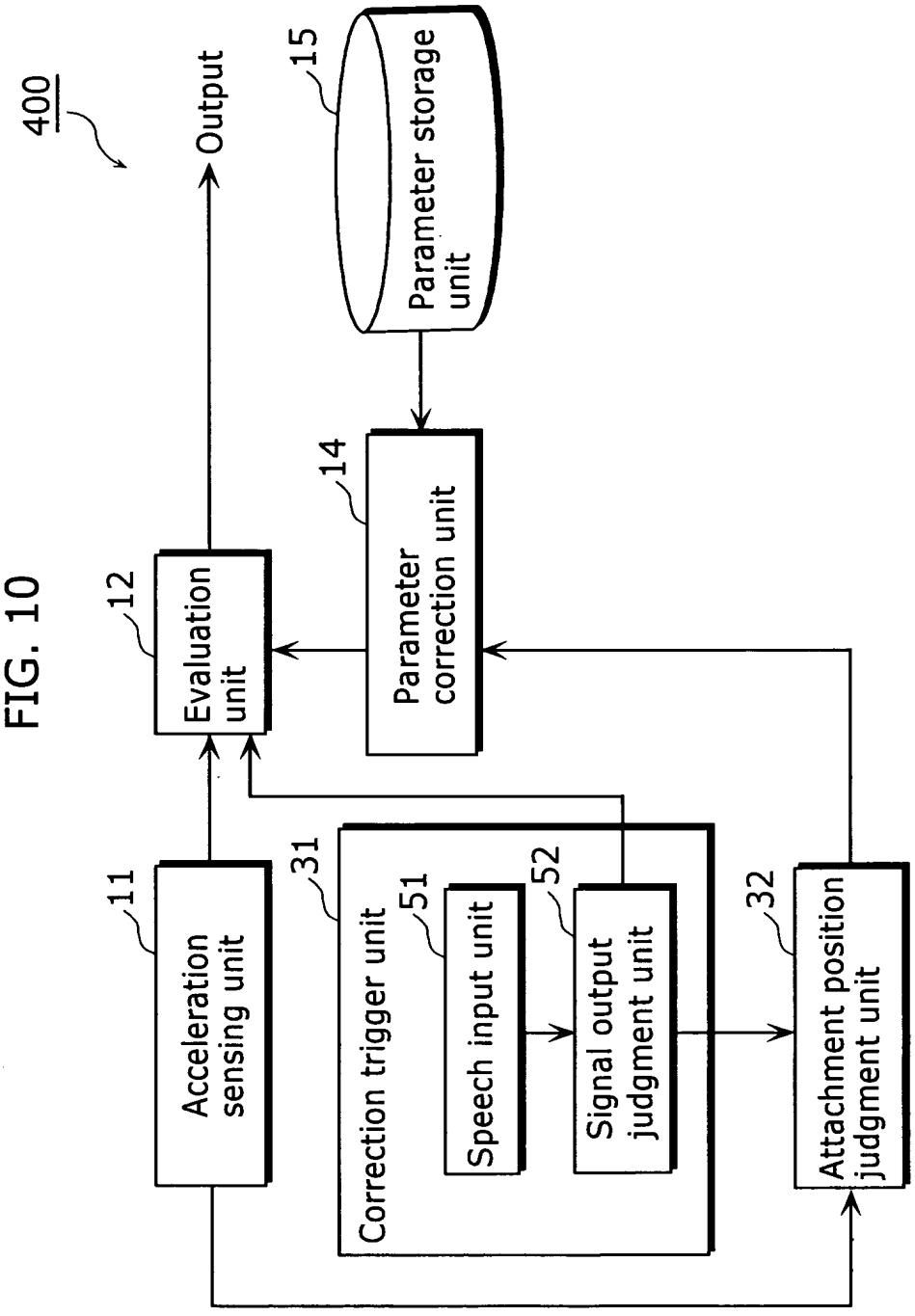

400
Output
15
Parameter storage unit
14
Parameter correction unit
12
Evaluation unit
11
Acceleration sensing unit
31
Correction trigger unit
51
Speech input unit
52
Signal output judgment unit
32
Attachment position judgment unit

FIG. 11

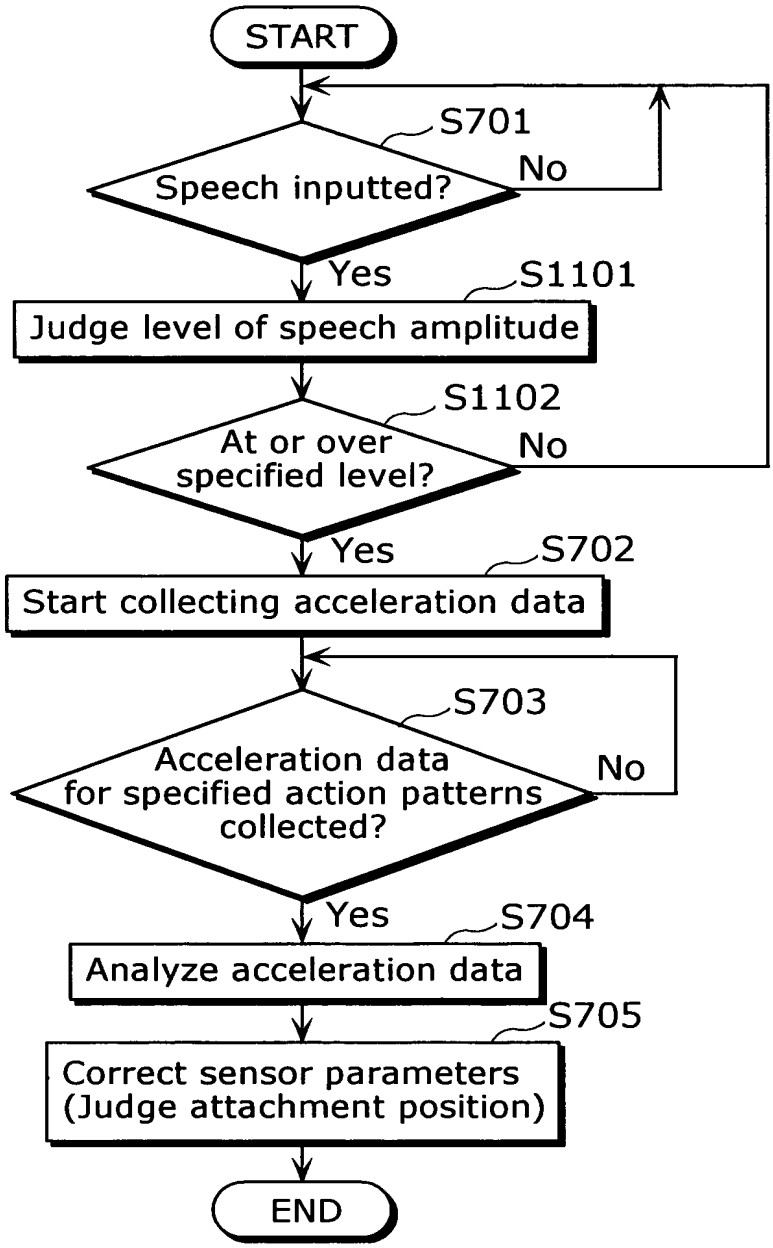

START
S701
Speech inputted?
No
Yes
S1101
Judge level of speech amplitude
S1102
At or over specified level?
No
Yes
S702
Start collecting acceleration data
S703
Acceleration data for specified action patterns collected?
No
Yes
S704
Analyze acceleration data
S705
Correct sensor parameters (Judge attachment position)
END

FIG. 12

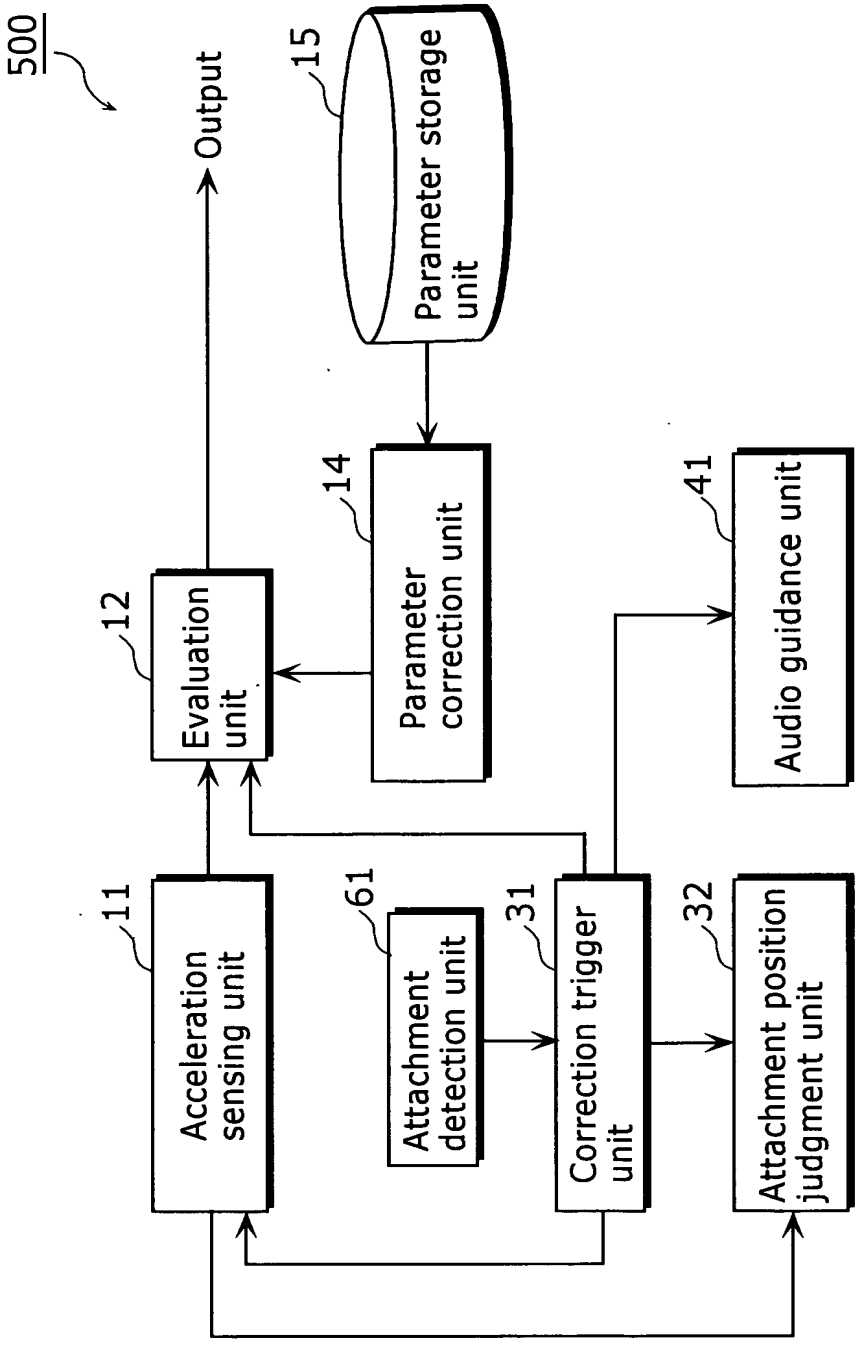

500
Output
15
Parameter storage unit
14
Parameter correction unit
41
Audio guidance unit
12
Evaluation unit
11
Acceleration sensing unit
61
Attachment detection unit
31
Correction trigger unit
32
Attachment position judgment unit

FIG. 13

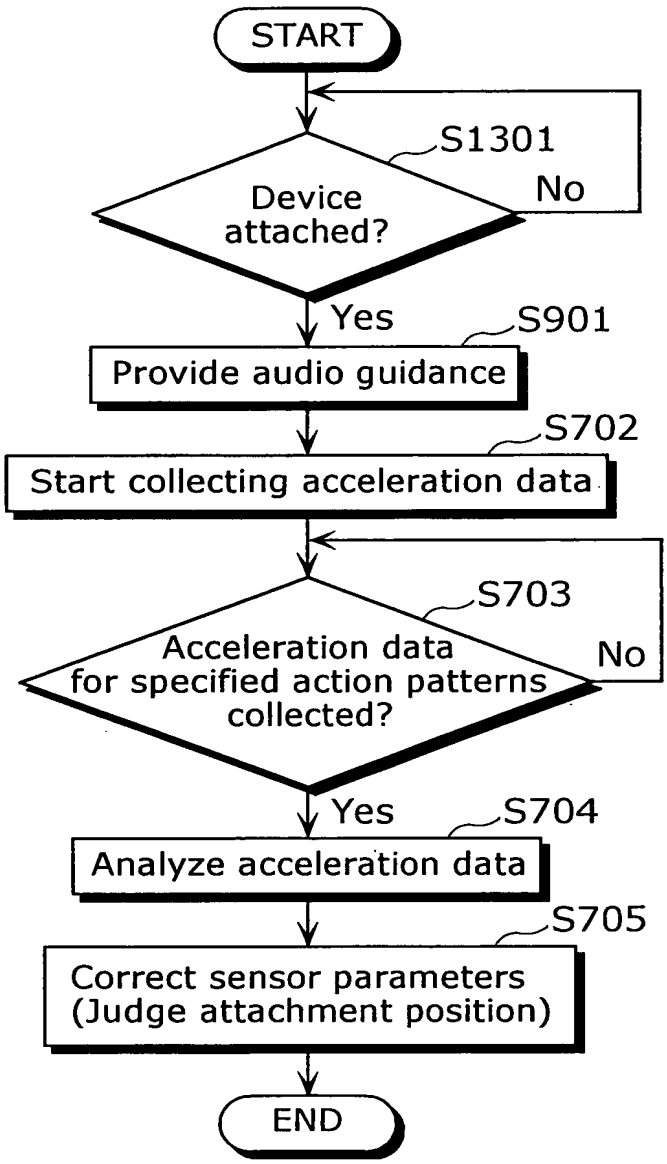

START
S1301
Device attached?
No
Yes
S901
Provide audio guidance
S702
Start collecting acceleration data
S703
Acceleration data for specified action patterns collected?
No
Yes
S704
Analyze acceleration data
S705
Correct sensor parameters (Judge attachment position)
END

FIG. 14

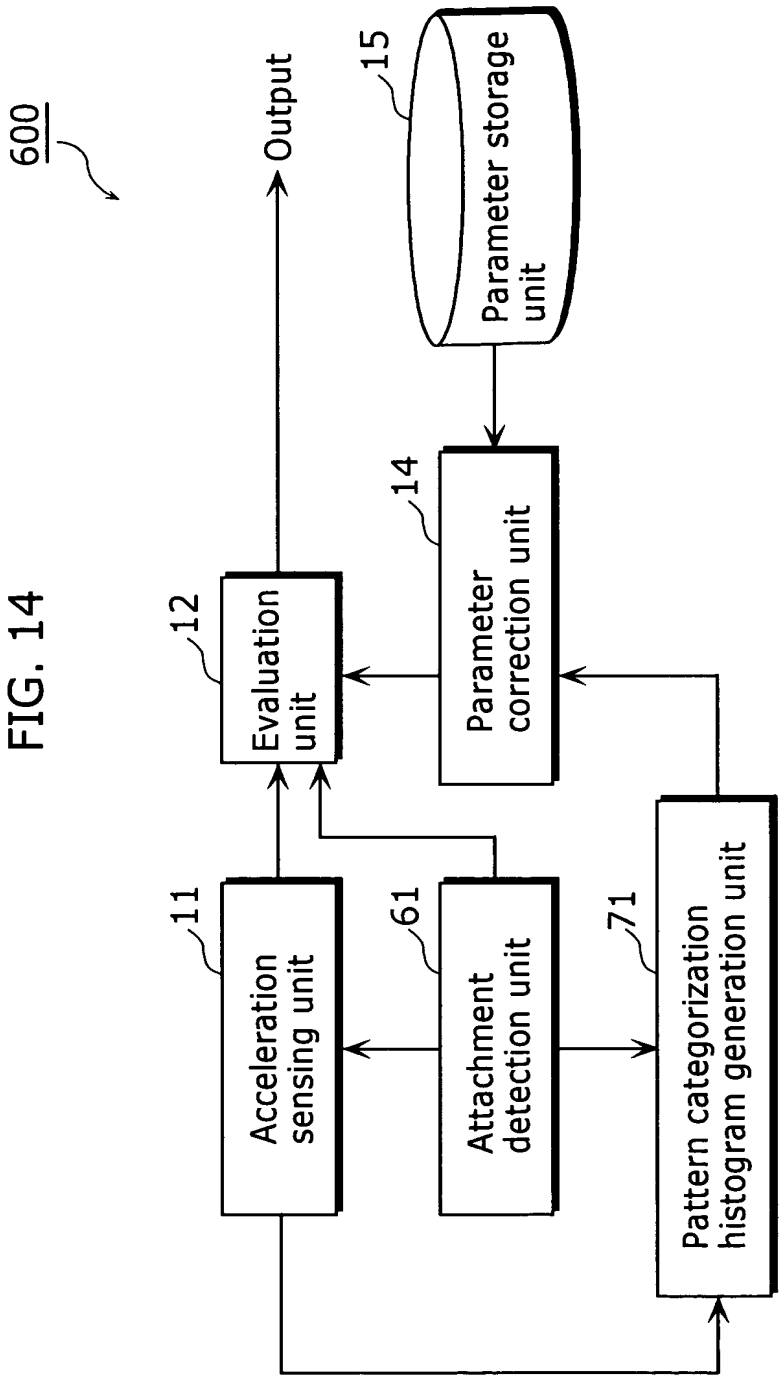

600
Output
15
Parameter storage unit
14
Parameter correction unit
12
Evaluation unit
11
Acceleration sensing unit
61
Attachment detection unit
71
Pattern categorization histogram generation unit

FIG. 15

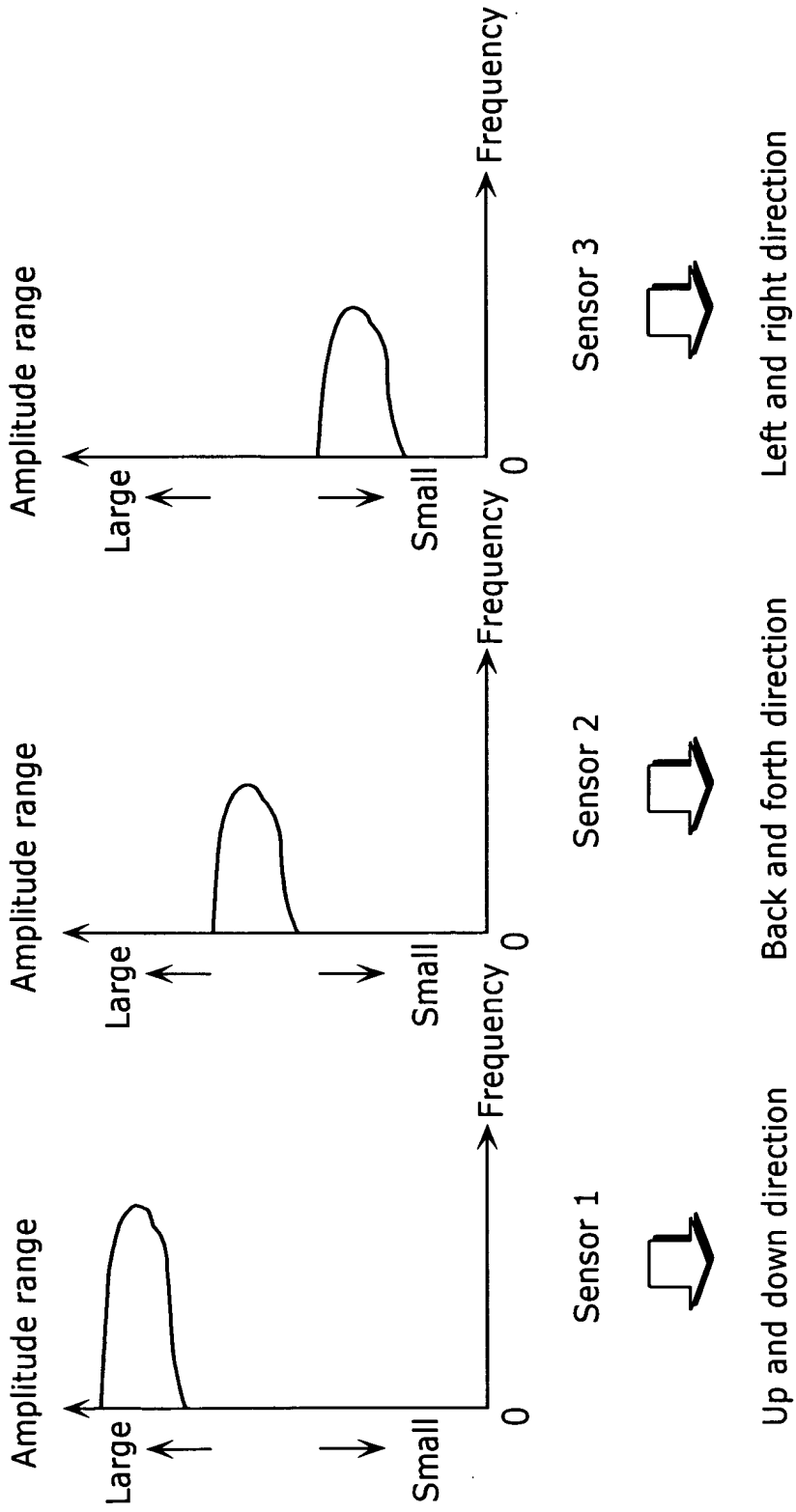
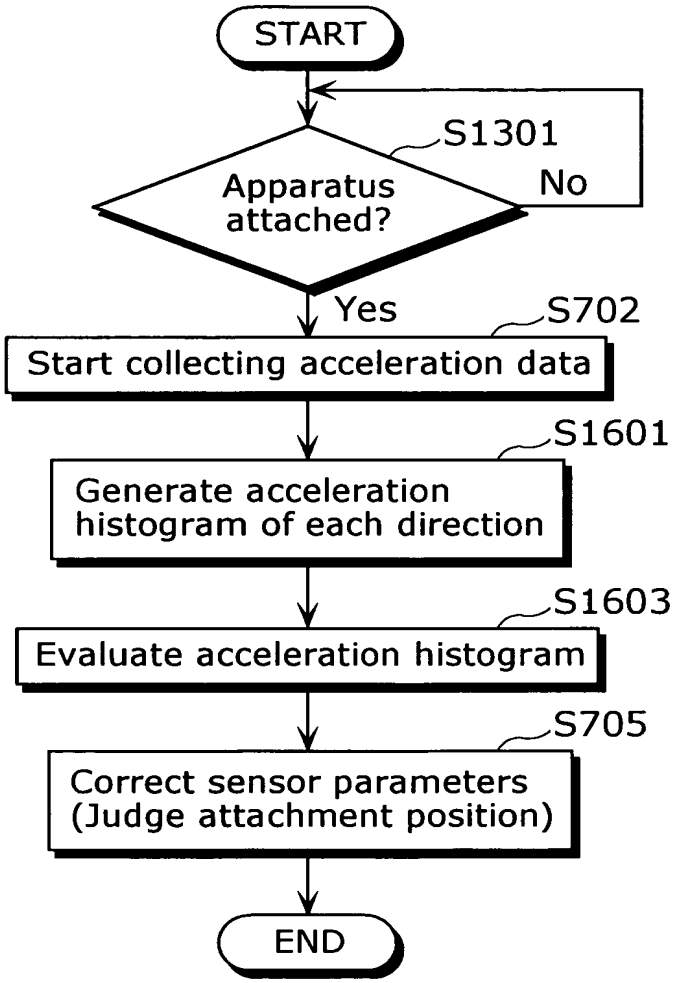

Amplitude range
Large
Small
Frequency
0
Sensor 1
Up and down direction
Sensor 2
Back and forth direction
Sensor 3
Left and right direction

FIG. 16


START
S1301
Apparatus attached?
No
Yes
S702
Start collecting acceleration data
S1601
Generate acceleration histogram of each direction
S1603
Evaluate acceleration histogram
S705
Correct sensor parameters (Judge attachment position)
END